TRET'YAKOV, Yu.D.; KHOMYAKOV, K.G.

Activity of oxygen above solid solutions of cobalt ferrite with magnetite. Zhur. neorg. khim. 8 no.11:2569-2572 N '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimicheskiy fakul'tet, kafedra obshchey khimii.

TRET'YAKOV, Yu.D.

Measurement of the equilibrium pressure of oxygen over solid phases by the electromotive force method in a cell with a separated electrode spacing. Izv. AN SSSR. Neorg. mat. 1 no.11:1928-1932 N '65. (MIRA 18:12)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova, Khimicheskiy fakul'tet. Submitted November 10, 1964.

TRET'YAKOV, Yu.D.

Methods of evaluating the thermodynamic properties of [illegible] and solid solutions of ferrites with magnetite. Izv. [illegible] Neorg. mat. 1 no.2:2[illegible] F '65. [illegible]

1. Moskovskiy gosudarstvennyy universitet imeni [illegible], khimicheskiy fakul'tet.

TRET'YAKOV, Yu.D.; OLEYNIKOV, N.N.

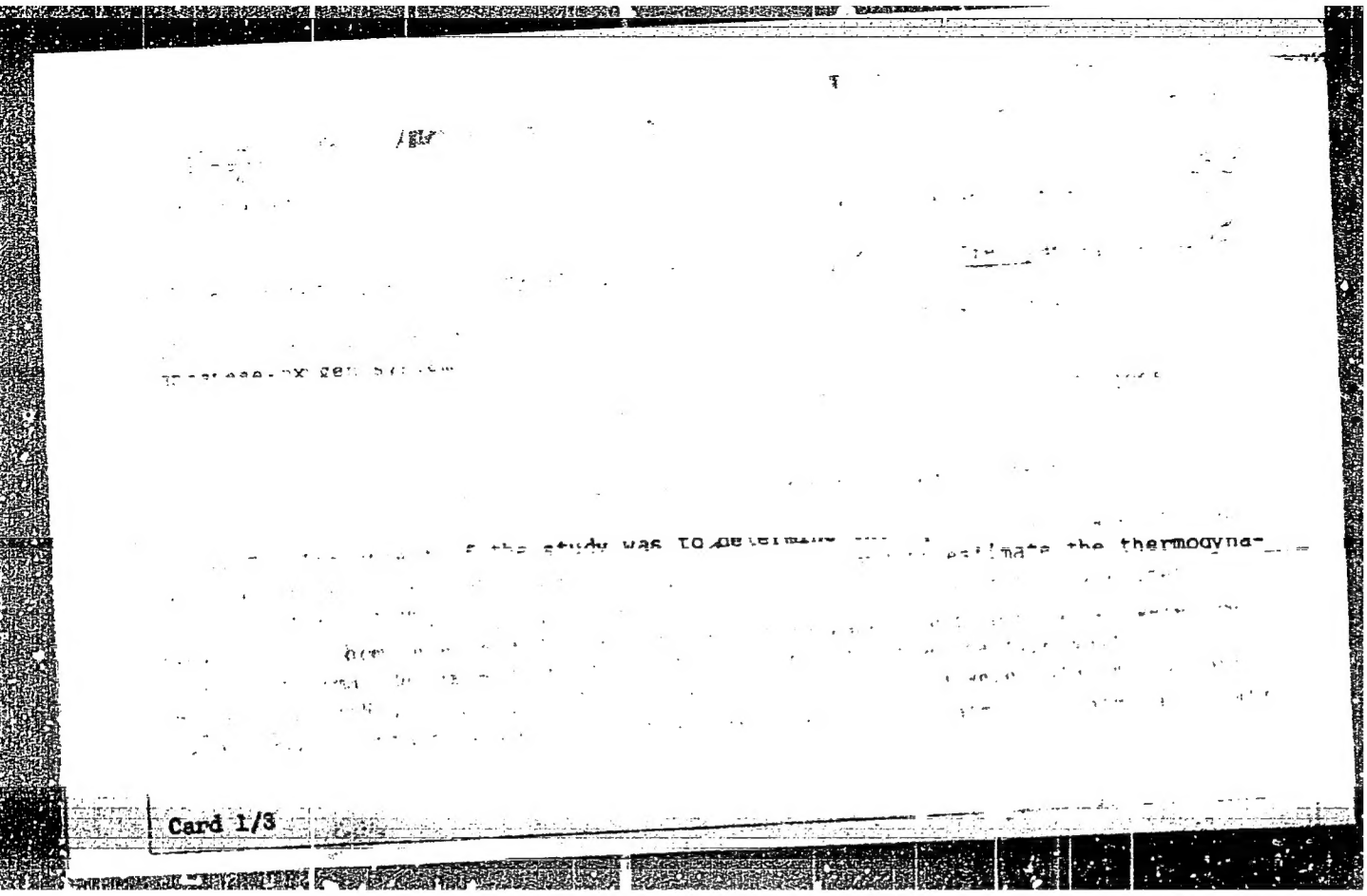
Activity of the components of solid solutions having a spinel structure in the system iron - magnesium - oxygen. Izv. AN SSSR. Neorg. mat. 1 no.2:254-256 F '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimicheskiy fakul'tet.

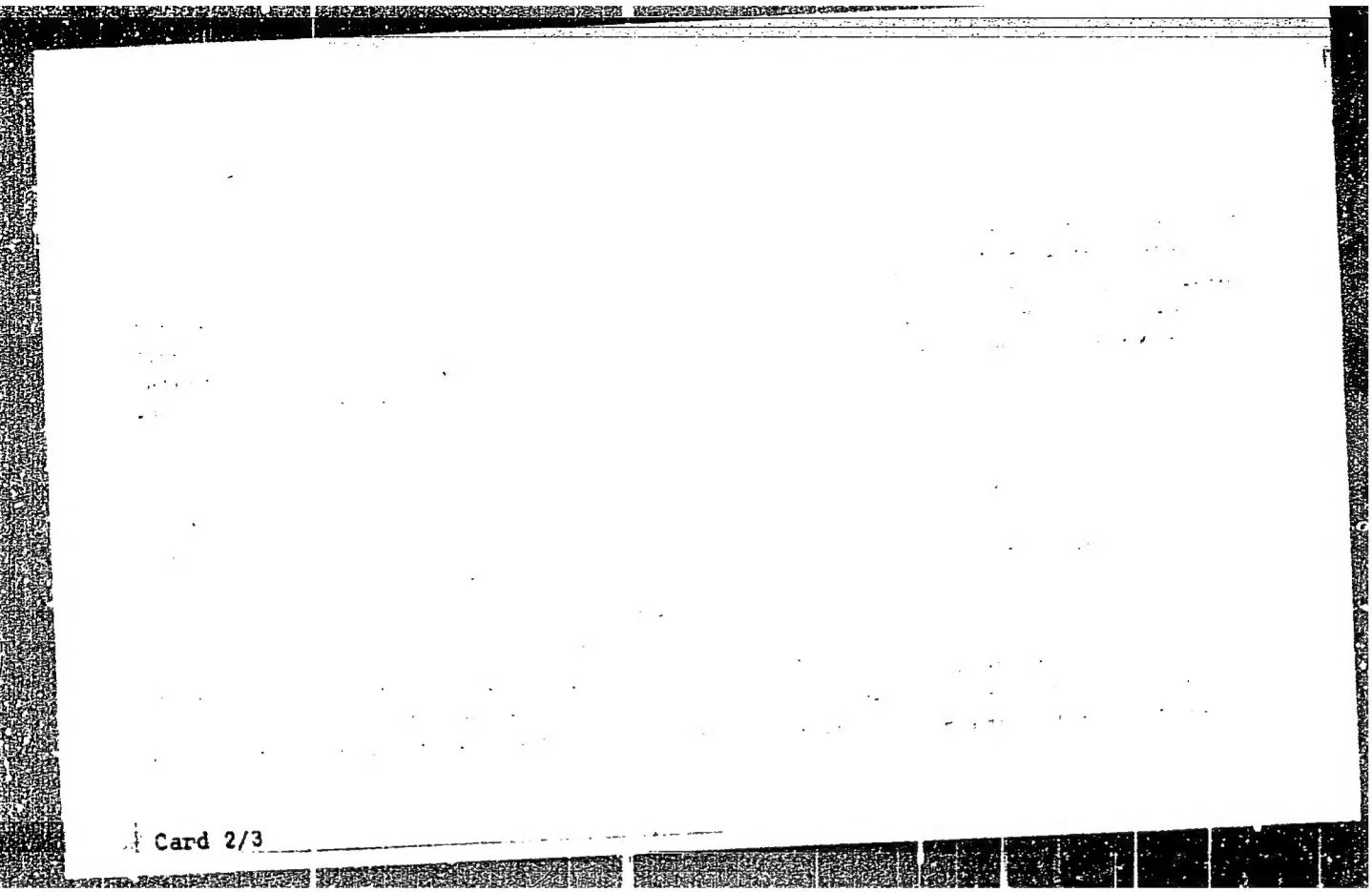
KOMAROV, V.F.; OLEYNIKOV, N.N.; SAKSONOV, Yu.G.; TRET'YAKOV, Yu.D.

Solid solutions with spinel structure in the system iron - manganese - oxygen. Izv. AN SSSR. Neorg. mat. 1 no.3:395-404 Mr '65. (MIRA 18:6)

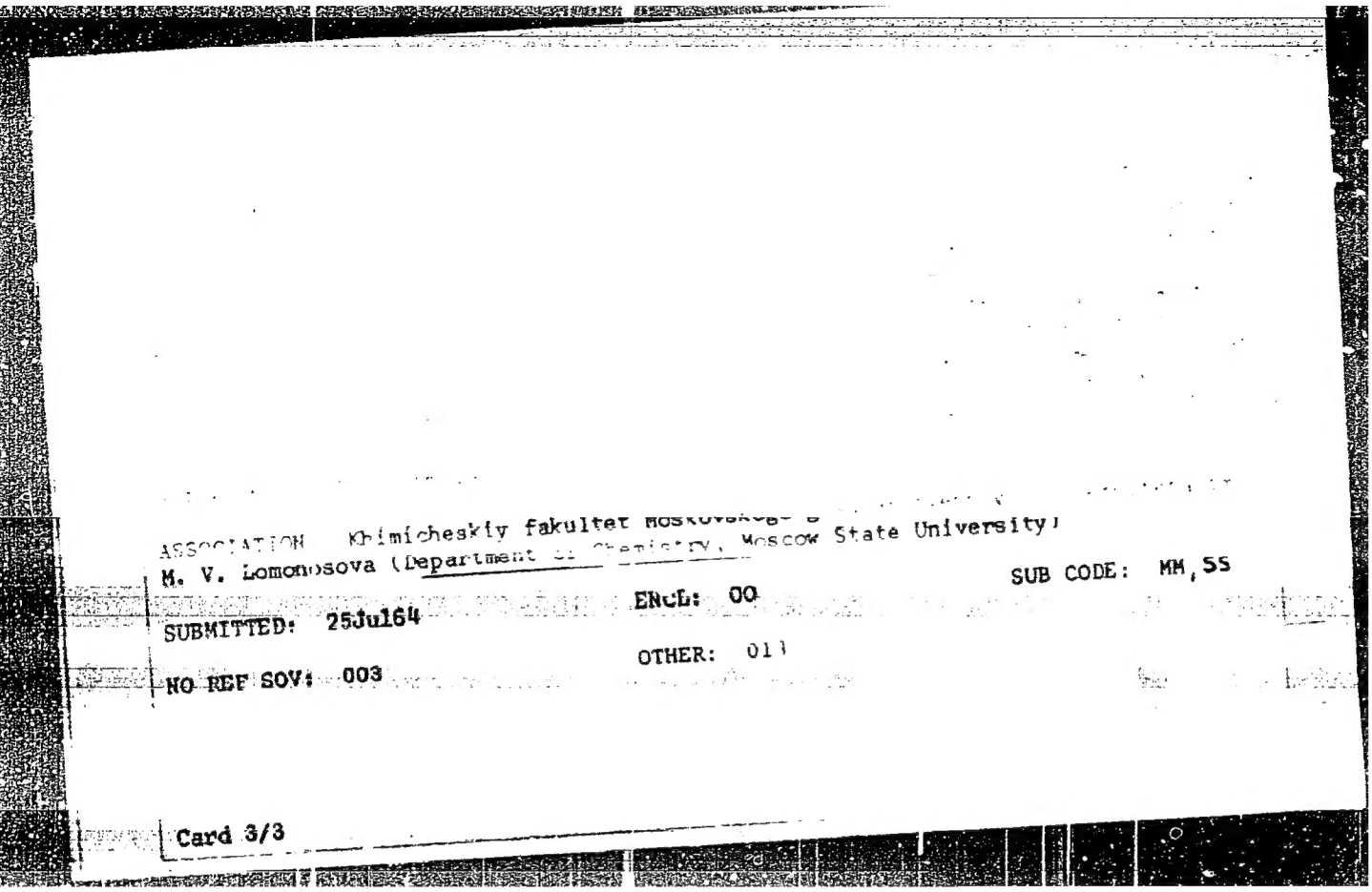
1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, Khimicheskiy fakul'tet.



Card 1/3



Card 2/3



ASSOCIATION: Khimicheskiy fakultet Moskovskogo gosudarstvennogo universiteta im. M. V. Lomonosova (Department of Chemistry, Moscow State University)

SUBMITTED: 25Jul64 ENCL: 00 SUB CODE: MM, SS

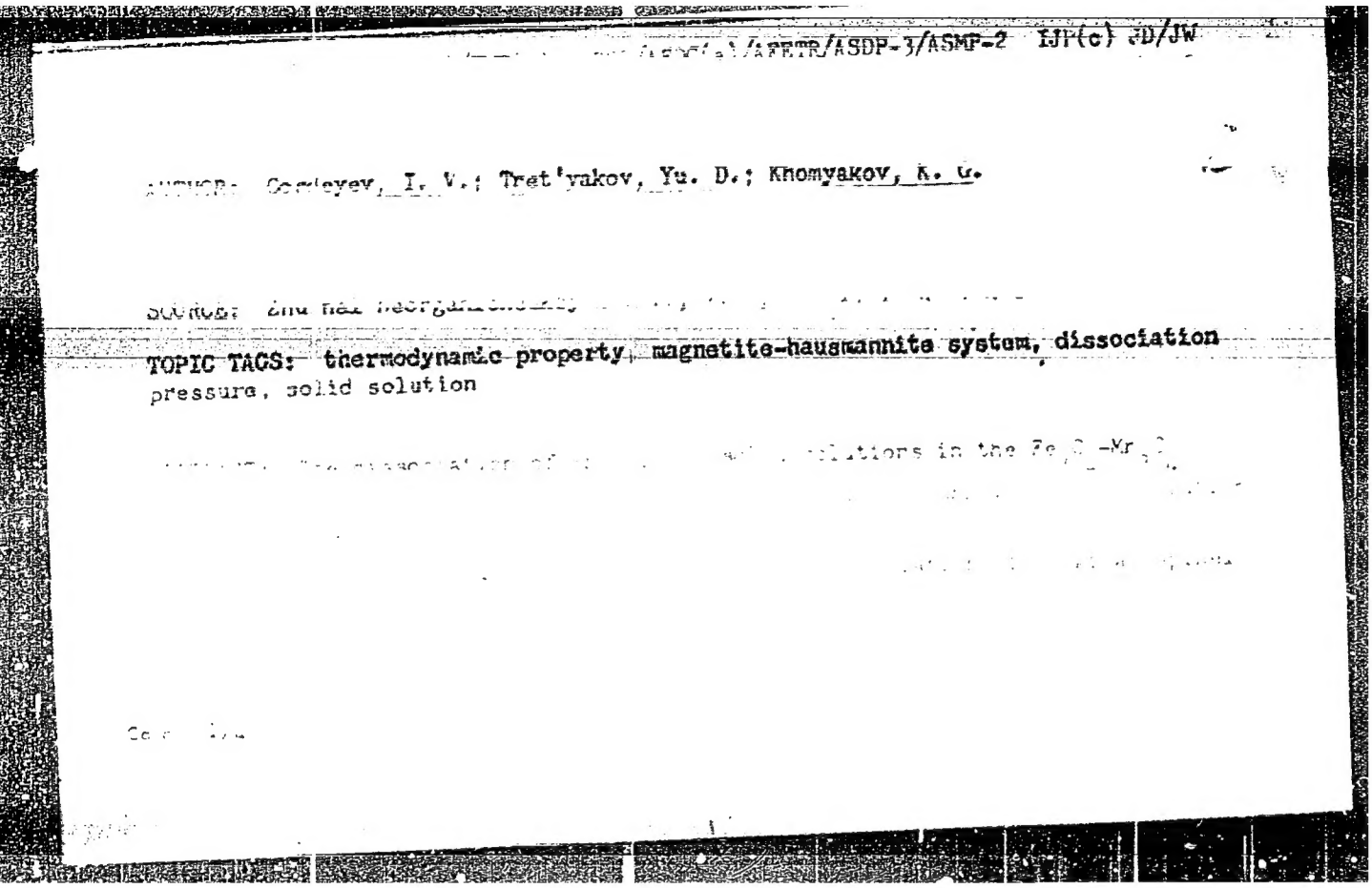
NO REF SOV: 003 OTHER: 011

Card 3/3

GORDEYEV, I.V.; TRET'YAKOV, Yu.D.

Dissociation pressure of solid solutions of magnetite with nickel ferrite. Vest.Mosk.un.Ser.2:Khim. 18 no.2:32-34 Mr-Ap '63. (MIRA 16:5)

1. Kafedra obshchey khimii Moskovskogo universiteta.
(Nickel ferrates) (Magnetite) (Dissociation)



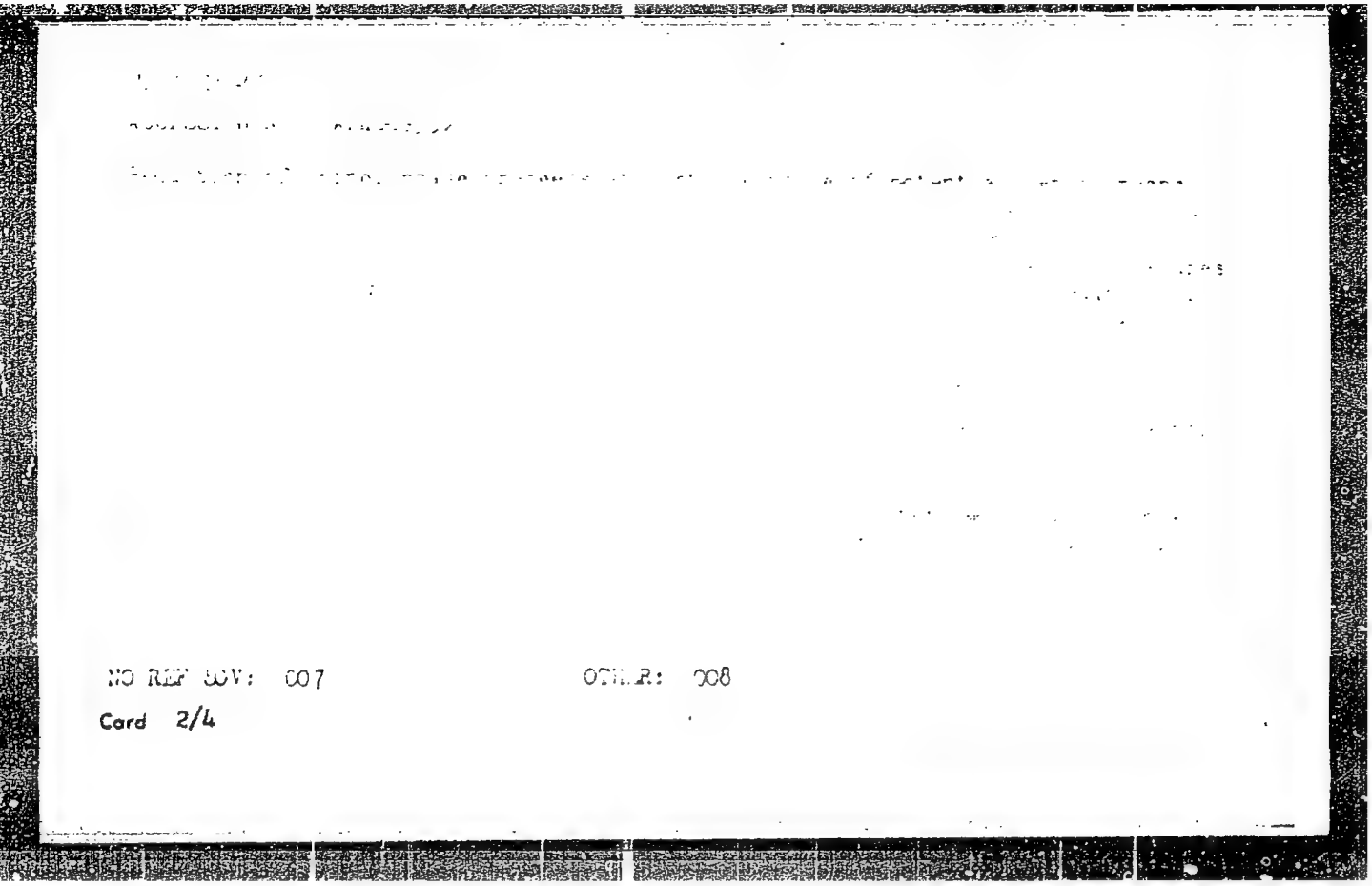
[illegible]/AFETR/ASDP-3/ASMP-2 EJP(c) JD/JW

AUTHOR: Gorelayev, I. V.; Tret'yakov, Yu. D.; Khomyakov, A. G.

SOURCE: [illegible]

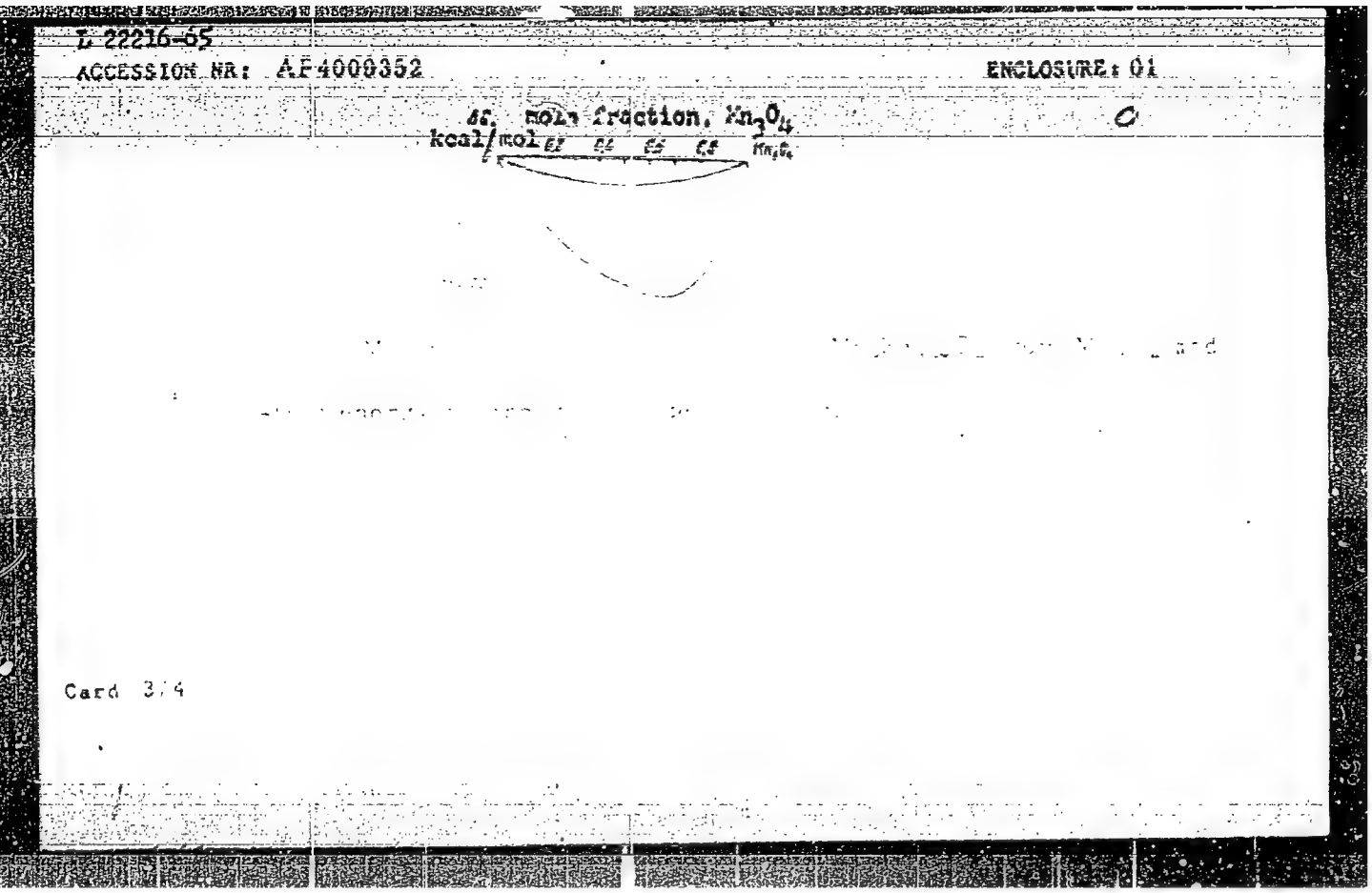
TOPIC TAGS: thermodynamic property, magnetite-hausmannite system, dissociation pressure, solid solution

[illegible] solutions in the Fe_3O_4-Mn_3



NO REF SOV: 007 OTHER: 008

Card 2/4



L 22215-65

ACCESSION NR: AP4009352

ENCLOSURE: 02

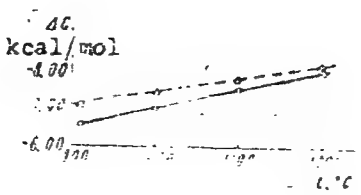
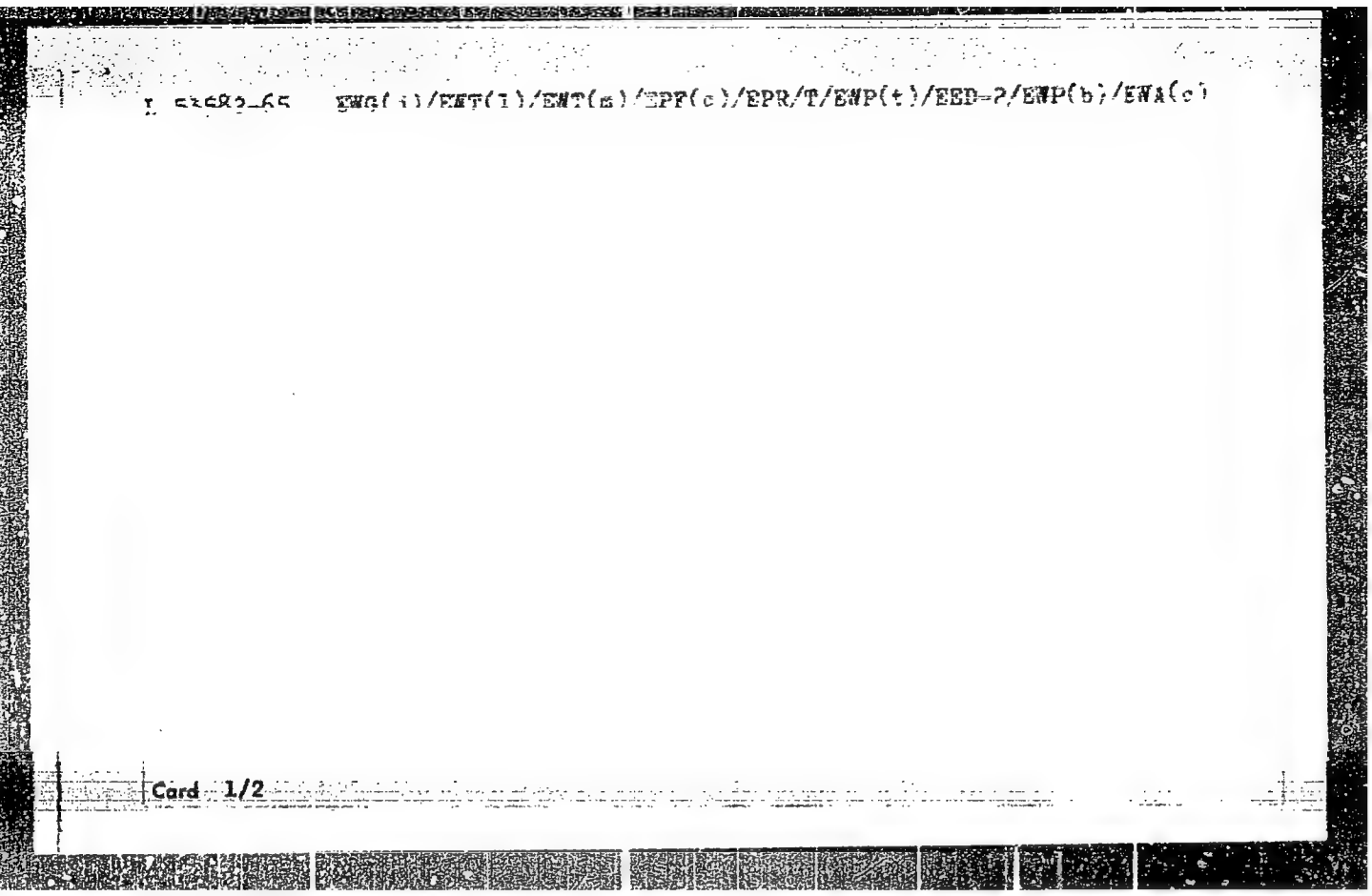
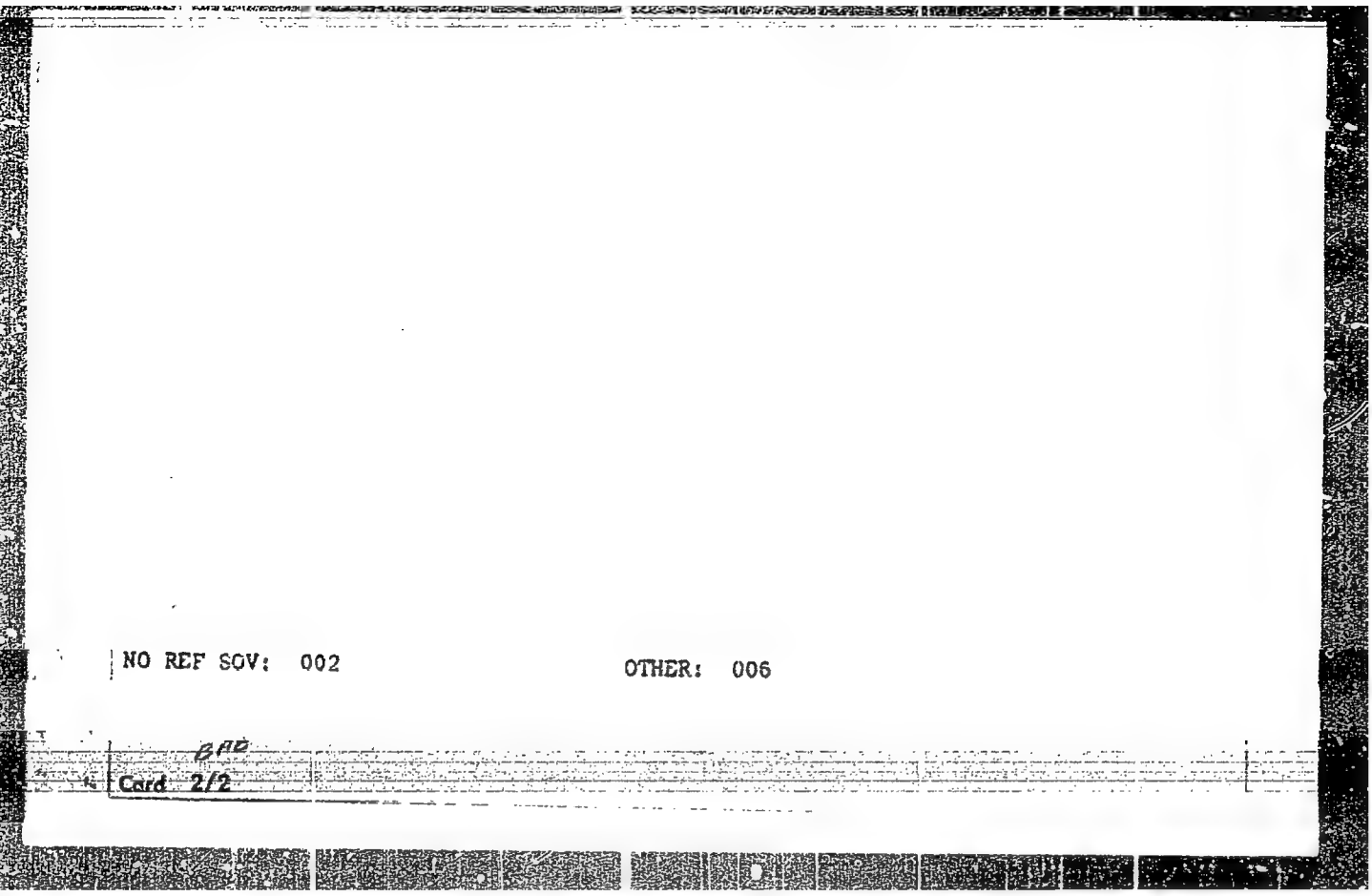


Fig. 2. Molar free energy of formation of $MnFe_2O_4$ from Mn_3O_4 and Fe_2O_4

Card 4/4





GORDEYEV, I.V.; TRET'YAKOV, Yu.D.

Thermodynamics of the solid solutions of magnesium ferrite with magnetite. Zhur. neorg. khim. 8 no.8:1814-1819 Ag '63. (MIRA 16:8)

1. Moskovskiy gosudarstvennyy universitet, khimicheskiy fakul'tet, kafedra obshchey khimii.

(Magnesium ferrates) (Magnetite)
(Solutions, Solid—Thermodynamic properties)

GORDEYEV, I.V.; TRET'YAKOV, Yu.D.; KHOMYAKOV, K.G.

Thermodynamic properties of solid solutions in the system Fe_3O_4 - Mn_3O_4. (MIRA 17:2)
Zhur.neorg.khim. 9 no.1:164-168 Ja '64.

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimicheskiy fakul'tet, kafedra obshchey khimii.

L 32176-66 EWT(l)/EWT(m)/T/FSS-2/EWP(t)/ETI IJP(c) DS/WW/JD/JG
ACC NR: AP6011318 (A) SOURCE CODE: UR/0363/66/002/003/0501/0506

AUTHOR: Tret'yakov, Yu. D.

ORG: Chemistry Department, Moscow State University im. M. V. Lomonosov (Khimicheskiy fakultet, Moskovskiy gosudarstvennyy universitet)

TITLE: The feasibility of using stabilized zirconium dioxide as an electrolyte in the investigation of thermodynamic equilibrium by the emf method

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 3, 1966, 501-506

TOPIC TAGS: electrolyte, electrochemical analysis, electromotive force, zirconium compound, galvanic cell, thermodynamic equilibrium

ABSTRACT: The problem was investigated using an experimental setup shown in figure 1. The setup was calibrated by measuring the electromotive force of the following cell:

$$Pt|M, MoO|ZrO_2(+CaO)|O_2\ (p_{O_2} = 0{,}21\ atm)|Pt,$$

where M is Fe, Co, Ni, or Cu. It was found that CaO stabilized zirconium dioxide may be used as a solid electrolyte when determining thermodynamic equilibrium by electrochemical technique. The author thanked Professor K. Vagner and Doctor Kh. Shmal'tsrid for their interest and participation in discussion of the results of this work. Orig. art. has: 6 figures, 6 formulas, 1 table.

UDC: 66.021.2

Card 1/2

L 32176-66

ACC NR: AP6011318

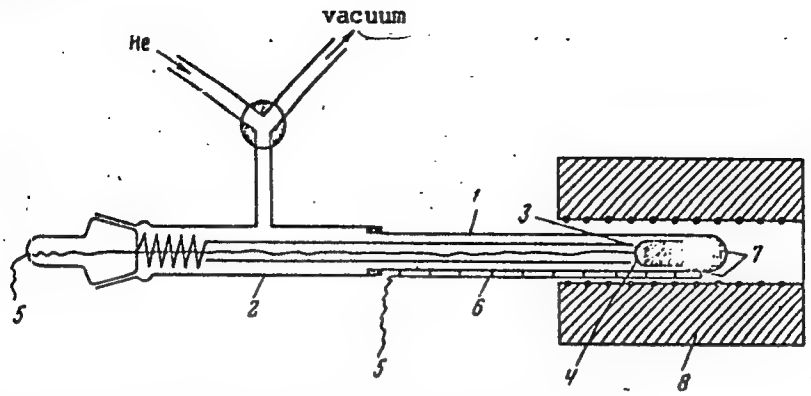


Fig. 1. The galvanic cell with spatially separated electrodes: 1--tube made of CaO-stabilized ZrO_2, 2--glass portion of the reactor, 3--electrode under investigation, 4--platinum container, 5--platinum electrical wires, 6--capillary tube made of Al_2O_3, 7--platinum foil coupling, 8--furnace.

SUB CODE: 07/ SUBM DATE: 18Jun65/ OTH REF: 010

Card 2/2

DYUBAKOVA, L.S.; TRET'YAKOV, Yu.D.

Electric conductivity of solid phases in the system Mn_2O_3 - Fe_2O_3. Izv. AN SSSR. Neorg. mat. 1 no.5:751-757 My '65. (MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimicheskiy fakul'tet.

S/189/60/000/005/004/006
B110/B217

AUTHORS: Tret'yakov, Yu. D. and Khomyakov, K. G.

TITLE: Study of the physico-chemical properties of some ferrites obtained by different methods. II. The isothermal lines of solubility of the system $(NH_4)_2SO_4$ - $MnSO_4$ - $FeSO_4$ - H_2O at 25, 40, and 55°C

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya 2, khimiya, no. 5, 1960, 51-55

TEXT: It is necessary to know the diagrams of solubility of the system $(NH_4)_2SO_4$ - $MnSO_4$ - $FeSO_4$ - H_2O at 25, 40, and 55°C to prepare manganese ferrite, which is chemically and physically of greatest interest, by the method suggested by the authors (Ref. 1: Vestn. Mosk. univers., ser. khimii, No 3, 31, 1960). Evaporation must be carried out with same concentration and at increased temperatures to produce isomorphic solid solutions. For this purpose, chemically pure Mohr's salt and $MnSO_4$ obtained from electrolytical manganese (99.95%) were used. The equilibrium between the liquid and solid

Study of the ...

phase was established by the method of isothermal elimination of the supersaturation (Ref. 2: B. G. Khlopin: Tr. Gosud. radiyevogo institt., 4, 34, 1938). (Ref. 3: G. I. Gorshteyn et al.: ZhOKh. 24, 29, 1954) within 4-8 hr. This was facilitated by means of the thermostat (Fig. 1). Exact temperature regulation ($\pm 0.05^{\circ}C$) was secured by Wobser's thermostat. The Fe^{++} concentration in the crystals and mother liquors was titrated with $KMnO_4$, the Mn^{++} concentration was determined by the perchlorate method. Mn^{++} was oxidized to MnO_2 which was dissolved in a certain amount of $(COOH)_2$. The acid excess was manganometrically back-titrated. The Fe^{++} and Mn^{++} concentrations were converted to the $6H_2O$ containing salts. Fig. 2, the diagram of the equilibrium composition, and the Table show the results obtained. In the Table $D_{eq(Mn, Fe)}$ denote the equilibrium coefficients of distribution of the individual components. For iron salts, the coefficient is the ratio of the relative concentration in the solid phase and in the mother liquor: $D_{eq(Fe, Mn)} = y_{Fe}/y_{Mn} : x_{Fe}/x_{Mn}$, where y = salt concentration in the solid phase, x = salt concentration in the mother liquor. At $25^{\circ}C$, the components of the system form a continuous series of solid solutions (Fig. 2), where

Study of the ...

$D_{eq(Fe, Mn)}$ is constant = 2.04 (±3%). At 40°C (Table), the components are truly isomorphic and form a continuous series of solid solutions also in the entire range of concentration. Also here, $D_{eq(Fe, Mn)}$ is constant = 2.22 (±3%). The results obtained at 55°C (Table) are of special interest since the crystal hydrate $MnSO_4 \cdot (NH_4)_2SO_4 \cdot 6H_2O$ is unstable and decomposes at 40-50°C: $MnSO_4 \cdot (NH_4)_2SO_4 \cdot 6H_2O \longrightarrow (NH_4)_2SO_4 \cdot 2MnSO_4$ + solution. Accordingly, in the system $(NH_4)_2SO_4 - MnSO_4 - FeSO_4 - H_2O$ at >40°C, no continuous series of solid solutions should form since $(NH_4)_2SO_4 \cdot 2MnSO_4$ is not isomorphic to schoenites. However, the thermal stability of little stable crystal hydrates increases with the formation of isomorphic solid solutions with more stable crystal hydrates. Since Mohr's salt which is extremely stable has the schoenite lattice up to 120°C, in its range of concentration 20% - 100%, a continuous series of solid solutions with ideal distribution of components between liquid and solid phase ($D_{eq(Fe, Mn)}$ = 2.49 (±5%)), forms. There are 5 figures, 1 table, and 9 references: 6 Soviet-bloc and 3 non-Soviet-bloc.

Card 3/8

Study of the ...

The reference to English-language publication reads as follows: Ref. 4: Hill, Durham, Ricci. J. Amer. Chem. Soc., 62, 2723, 1940.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova Kafedra obshchey khimii (Moscow State University imeni M. V. Lomonosov Department of General Chemistry)

SUBMITTED: June 30, 1959

Card 4/8

TRET'YAKOV, Yu.D.; BAGDASAR'YAN, A.Kh.

Isothermal solubility diagram of the ternary system $NH_4Fe(SO_4)_2$-$NH_4Al(SO_4)_2$-H_2O at 10 and 25°. Zhur. neorg. khim. 6 no.7: 1681-1684 Jl '61. (MIRA 14:7)
(Systems (Chemistry)) (Solubility)

TRET'YAKOV, Yu.D.

Isothermal solubility diagram for the quaternary system $MnSO_4$ $(NH_4)_2SO_4$ - $MgSO_4(NH_4)_2SO_4$ - $FeSO_4(NH_4)_2SO_4$ - H_2O at 40°. Zhur. neorg.khim. 6 no.4:985-993 Ap '61. (MIRA 14:4)

(Magnesium ammonium sulfate)
(Manganese ammonium sulfate)
(Iron ammonium sulfate)

S/078/61/006/009/009/010
B127/B101

AUTHOR: Tret'yakov Yu. D.

TITLE: Study of the solubility of schoenite-type salts in mixtures of water and nonaqueous solvents

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 9, 1961, 2197-2202

TEXT: The behavior of schoenites in solvents has been studied for the system $MeSO_4 \cdot (NH_4)_2SO_4 - H_2O$ - nonaqueous solvents, where Me = Fe or Mn. Methyl alcohol, ethyl alcohol, propyl alcohol, acetone, ethylene glycol, and glycerin were used as solvents. The specimens were prepared from Mohr salt. The Fe^{2+} concentration in the mother liquors was determined by permanganometric titration, and the Mn^{2+} concentration by the chlorate method. A mixture contained a grams of anhydrous salt, b grams of water, and c grams of nonaqueous solvent; however, e grams of saturated solution contained d grams of anhydrous binary salt. It is to be assumed that, when equilibrium is established, a solid phase exists with x grams of anhydrous salt and kx grams of water. k is known because the solid phase appear only as hexahydrate

Card 1/4

Study of the solubility of...

crystals. If the mother liquor and the solid phase are in equilibrium the concentration of anhydrous salt amounts to (a-x) grams that of water to (b-kx) grams and that of nonaqueous solvent to c grams. Therefrom it follows that $d/e = (a-x)/[(a-x) + (b-kx) + c]$ and $x = (a+b+c-ae/d)/(1+k-e/d)$. The results given in the tables also show the percentage of nonaqueous solvents in the unsalty part of the solution: $(C/B+C)100$, where C denotes the % by weight of nonaqueous solvents and B the % of water in saturated solution. According to N. A. Izmaylov (Dokl. AN SSSR, 74, 91 1950), $S = K+A/D$, where S is the solubility of the salt; D is the dielectric constant of the pure solvent; A and B are constants. For the Fe and Mn double salts $\log S = f(1/D)$ is a linear function. S. A. Voznesenskiy, R. S. Biktimurov. Zh. neorgan. khimii, 2, 942 (1957) is mentioned. There are 8 figures, 2 tables, and 7 Soviet-bloc references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova Khimicheskiy fakul'tet Kafedra obshchey khimii (Moscow State University imeni M. V. Lomonosov, Chemical Division, Department of General Chemistry)

S/078/61/006/009/010/010
B127/B101

AUTHORS: Tret'yakov Yu. D., Simakova L. K.

TITLE: Solubility isotherms in the system Fe, Mn, $Cu(NH_4)_2||SO_4$ - H_2O at 40°C

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 6, no. 9, 1961, 2203-2209

TEXT: The authors used Mohr salt and copper, manganese, and ammonium sulfates as starting materials. The method of V. G. Khlopin(Tr. Gos. Radiyevogo in-ta, 4, 34 (1938)) and G. I. Gorshteyn, N. I. Silant'yeva (Zh. obshch. khimii, 24, 29(1954)) was used to establish equilibrium between the liquid and the solid phase. Temperature was regulated by a Vobser thermostat. The Fe^{2+} concentration in the mother liquor was determined by permanganometric titration, and that of Mn^{2+} by the chlorate method. Data on the equilibrium are given in tables. The composition of the systems studied can be expressed by the following equation: $x/a+y/b+z/c=1$, where a,b, and c are the solubility of the pure salts of Fe, Mn, and Cu; x, y, and z are the concentrations of their salts in saturated solution. Finally,

Card 1/5

Solubility isotherms in the...

the following formulas are obtained: $D_{eq(A/B+C)}=0.693-0.1244\ B/(B+C)+1.478\ B/(B+C)^2$ and $D_{eq(C/A+B)}=1.44+0.3047(B/(B+A))+1.945(B/B+A))^2$. (The symbols are explained in the legend). G. I. Gorshteyn and N. I. Silant'yeva(Zh. obshch. khimii, 23, 1290(1953)) are mentioned. There are 7 figures, 3 tables, and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to English-language publication reads as follows: P. W. Beck, K. E. Matteson. U. S. Pat, 2, 818, 387; Dec. 31, 1957.

SUBMITTED: July 27, 1960

Card 2/5

TRET'YAKOV, Yu.D.

Solubility of schoenite type salts in mixtures of water with nonaqueous solvents. Zhur.neorg.khim. 6 no.9:2197-2202 S '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova, Khimicheskiy fakul'tet, Kafedra obshchey khimii.
(Salts) (Solubility)

TRET'YAKOV, Yu.D.; SIMAKOVA, L.K.

Solubility isotherm in the system Fe; Mn, $Cu(NH_4)_2 \| SO_4 - H_2O$ at 40°. Zhur.neorg.khim. 6 no.9:2203-2209 S '61. (MIRA 14:9)
(Systems (Chemistry)) (Solubility)

TRET'YAKOV, Yu.D.; BAGDASAR'YAN, A.Kh.

Isothermal solubility diagram for the quaternary system $MnSO_4$-$(NH_4)_2SO_4$-$MgSO_4$-$(NH_4)_2SO_4$-$NiSO_4$-$(NH_4)_2SO_4$-H_2O at 40°C. Zhur.neorg.khim.7 no.7: 1716-1723 Jl '62. (MIRA 16:3)

(Systems (Chemistry)) (Solubility) (Sulfates)

S/189/63/000/002/007/010
A057/A126

AUTHORS: Gordeyev, I.V., Tret'yakov, Yu.D.

TITLE: Pressure of dissociation of solid solutions of magnetite with nickel ferrite

PERIODICAL: Vestnik Moskovskogo universiteta, Seriya II, Khimiya, no. 2, 1963, 32 - 34

TEXT: The dissociation of $2Ni_xFe_{3-x}O_4 \rightarrow 6Ni_{x/3}Fe_{1-x/3}O + O_2$ (I)
was investigated by the emf method in the cell:

$$Fe_1Fe_{0.95}O \;|\; \begin{matrix}\text{solid} \\ \text{electrolyte}\end{matrix} \;|\; \begin{matrix}Ni_xFe_{3-x}O_4 \\ Ni_{x/3}Fe_{1-x/3}O\end{matrix}, \quad (K)$$

where the left electrode is the standard electrode prepared according to S. Aronson and I. Belle (J. Chem. Phys., v. 29, 1958, 151), the electrolyte a solid solution of 15 mole% CaO and 85 mole% ZrO_2, while the right electrode can be con-

Card 1/3

Pressure of dissociation of solid solutions ....

sidered as a quasi-binary system with equilibrated components. The total reaction of the cell is:

$$1.90Fe + 2Ni_xFe_{3-x}O_4 = 2Fe_{0.95}O + 6Ni_{x/3}Fe_{1-x/3}O . \quad (II)$$

Since the system might be considered quasi-binary for $x \leq 0.5$, it is - $\Delta G_1 = RT\ln P_{O_2} = \Delta G^{II}_{O_2}$ - the partial molar free energy of oxygen over the mixture of the spinel and wuestite phase. From this equation the authors calculated the pressure of dissociation of the solid solution of ferrite with magnetite and determined the curves $P_{O_2} = f(x)$ at different temperatures, and $P_{O_2} = f(T)$ at different compositions. Assuming 1) that $NiFe_2O_4$ and Fe_3O_4 are transformed completely into spinel; 2) the solid solution of ferrite and magnetite behaves in dissociation as a quasi-binary system; 3) the solid solution of ferrite with magnetite is ideal, the authors estimate, corresponding to R.E. Carter (J. Am. Ceram. Soc., v. 44, 1961, 508), the change of the configuration entropy at the reduction of the spinel phase into the wuestite phase, and calculate the change of the dissociation pressure, stipulated by the entropy of mixing, as function of the composition. The curvature of this curve is similar to the experimental

Card 2/3

Pressure of dissociation of solid solutions S/189/63/000/002/007/010
A057/A126

curves obtained by the authors, thus proving the almost ideal behavior of the solid solutions $Ni_xFe_{3-x}O_4$ $x \leq 0.5$. There is 1 figure.

ASSOCIATION: Kafedra obshchey khimii (Department of General Chemistry)

SUBMITTED: July 16, 1962

Card 3/3

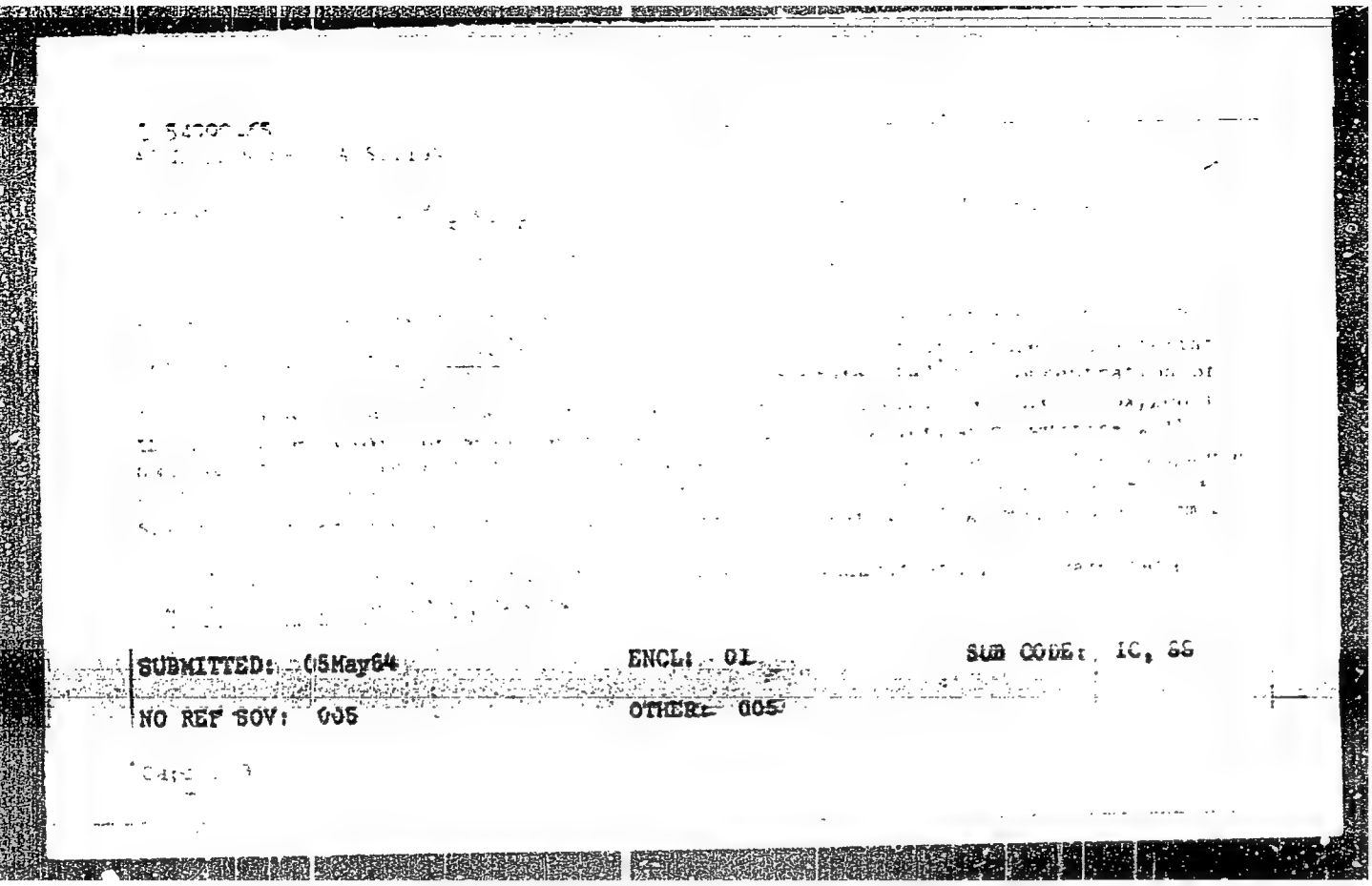
TRET'YAKOV, Yu.D.; SHLEYFMAN, Zh.G.

Isothermal diagram of solubility of the system $MnSO_4 \cdot (NH_4)_2SO_4$ - $FeSO_4 \cdot (NH_4)_2SO_4$ - H_2O - acetone at 25°C. Zhur. neorg. khim. 8 no.2:413-417 F '63. (MIRA 16:5)

1. Moskovskiy gosudarstvennyy universitet, kafedra obshchey khimii.
(Systems (Chemistry)) (Sulfates) (Solubility)

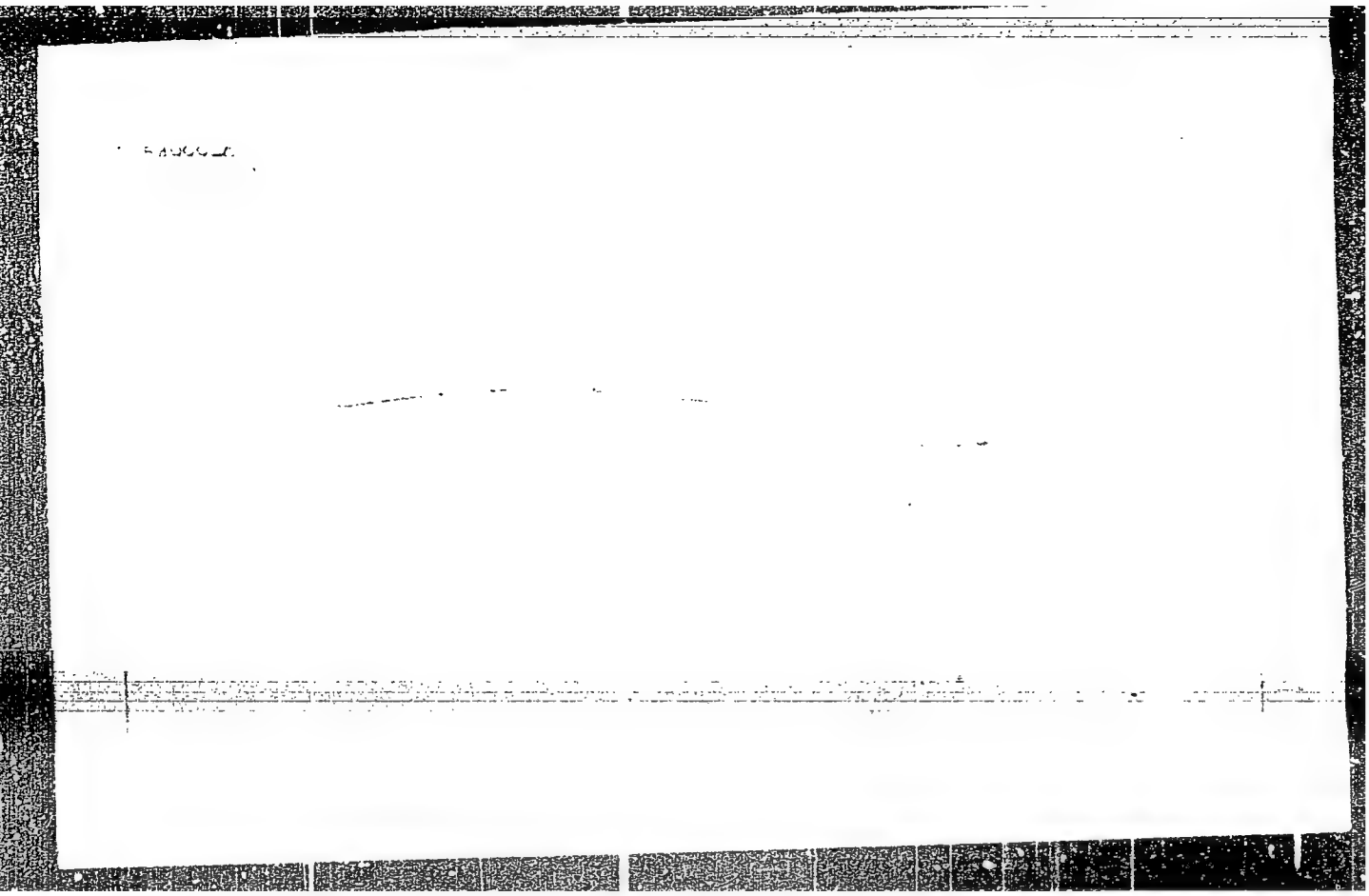
AUTHOR [illegible]

phases under study. The activities of magnetite (a_m) and hausmannite (a_h) in a [illegible] spinel were determined from the equilibrium data. The free energy of



SUBMITTED: 05May64 ENCL: 01 SUB CODE: IC, SS

NO REF SOV: 005 OTHER: 005



chemical analysis data

where A and B are ions of constant valence ... 3; C and D are ions of variable valence (2 and 3) which can be present in ... states in the spinel lattice. When the spinel dissolves in an aqueous solution, the

Card 1/3

L 57000-65

ACCESSION NR: AP5020593

following exchange occurs:

$$D^{2+} + C^{3+} \rightarrow D^{3+} + C^{2+} \qquad (1)$$

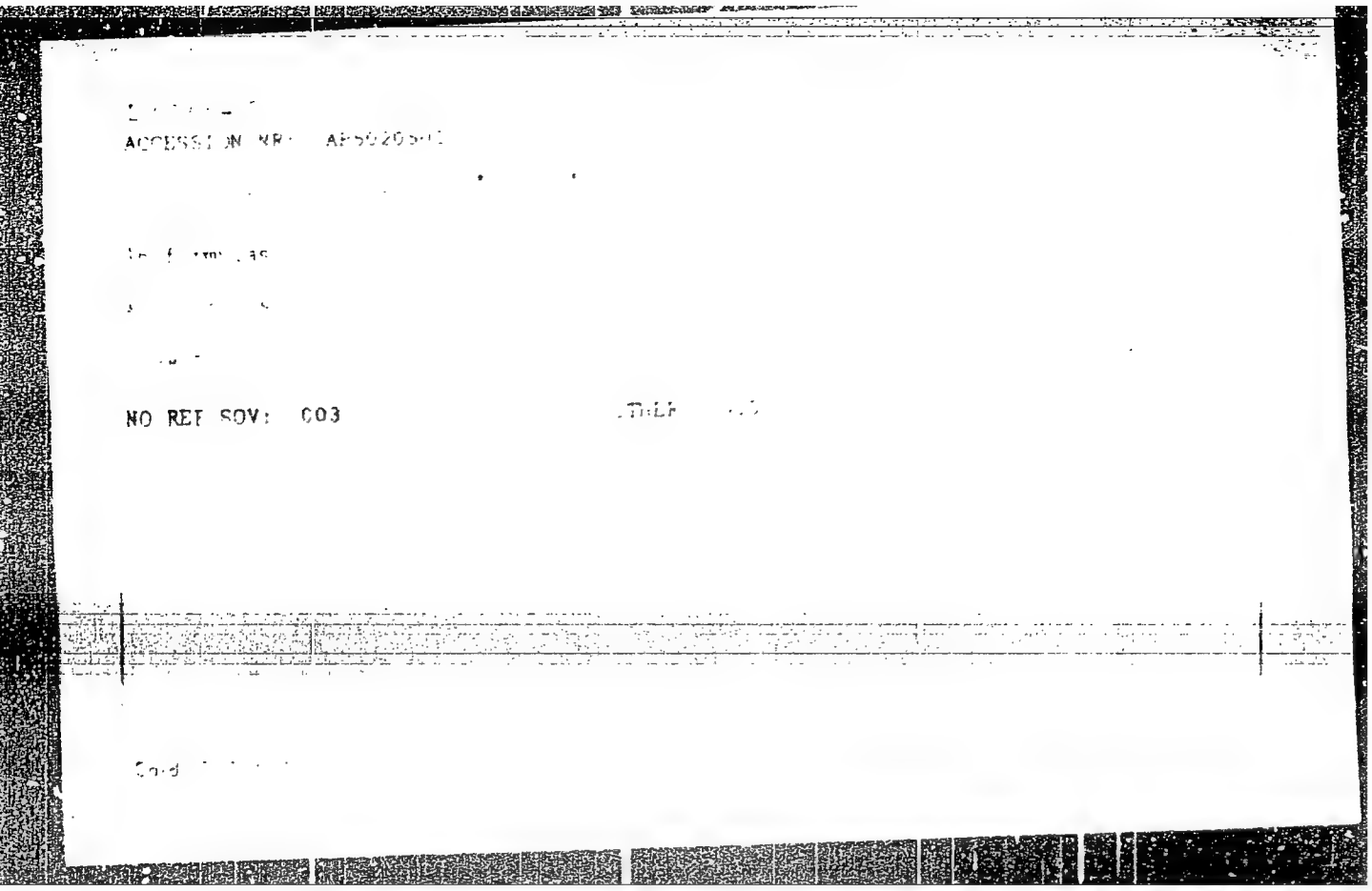
solution differ substantially

Both cases are analyzed by assuming that x can assume positive as well as negative

i.e., the value of γ, it is sufficient

used for the synthesis of the spinel [the values of k, l, x, y, z in formula (A)],

Card 2/3



NO REF SOV: 003

07947-67 EWT(1) GD/JXT(CZ)

ACC NR: AT6028974 SOURCE CODE: UR/0000/66/000/000/0042/00

AUTHORS: Gushchina, Z. M.; Kudryavtsev, V. D.; Trot'yakov, Yu. D.; Fabrikov, V. A.; Khomyakov, K. G.

ORG: none

TITLE: Application of zero-diffusion method to the technology of preparing ultra-high-frequency ferrites

SOURCE: Vsesoyuznoye soveshchaniye po ferritam, 4th, Minsk. Fizicheskiye i fizikokhimicheskiye svoystva ferritov (Physical and physicochemical properties of ferrites); doklady soveshchaniya. Minsk, Nauka i tekhnika, 1966, 42-47

TOPIC TAGS: ultrahigh frequency, ferrite, solid solution, resonance line / P-28 ferrite

ABSTRACT: The ceramic method for preparing UHF ferrites is reviewed and found inadequate. A suggested new method consists of preparing micro-heterogeneous ferrite powders from solid solutions of isomorphic salts. For example, ferrite batches are obtained from solid solutions of schoenite-type double salts which, under heat treatment, yield

Card 1/2

ACC

The ferrites obt... sufficiently homoge... density in the ferrit... methods are used, ... 24- to 30-oersted line wid... tion of a P-28, ... 4 figures, 1 formula, and ... ferrite...

SUB CODE: 11/ SUBM DATE: 22Dec65/

Card 2/2 LC

BOROVIKOV, V.A., gornyy inzh.; KARPUNOV, Ye.G., gornyy inzh.; TRET'YAKOV, Yu.K., gornyy inzh.

Improvement of boring and blasting operations in breaking down shale in longwall chambers. Vzryv. delo no.54/11: 374-379 '64. (MIRA 17:9)

1. Leningradskiy gornyy institut (for Borovikov, Karpunov).
2. Shakhta No.3 kombinata Leningradslanets (for Tret'yakov).

GOYKHMAN, A.Sh.; NOSOV, M.P.; TRET'YAKOV, Yu.N.; CLEYNIK, B.G.

Stretch mechanism of capron fibers. Vysokom. soed. 7 no.11: 1877-1883 N '65. (MIRA 19:1)

1. Kiyevskiy filial Nauchno-issledovatel'skogo instituta iskusstvennogo volokna. Submitted December 1, 1964.

L 27334-66 EWT(m)/EWP(j)/T IJP(c) RM

ACC NR: AP6008961 SOURCE CODE: UR/0190/65/007/011/1877/1883

AUTHORS: Goykhman, A. Sh.; Nosov, M. P.; Tret'yakov, Yu. N.; Oleynik, V. G. 36 B

ORG: Scientific Research Institute of Synthetic Fibers, Kiev Division (Kiyevskiy filial nauchno-issledovatel'skogo instituta iskusstvennogo volokna)

TITLE: Stretching mechanism of caprone fibers (10th report in the series "Study of stretching process in synthetic yarns")

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 11, 1965, 1877-1883

TOPIC TAGS: synthetic fiber, caprone, x ray diffraction study

ABSTRACT: The relationship between the behavior and mechanical properties and between the crystallinity and crystallite orientation occurring during stretching of caprone fiber was investigated at various temperatures. The study involved an x-ray diffraction method described by A. Sh. Goykhman, M. P. Nosov, and Yu. P. Tret'yakov (Khimich. volokna, 1965, No. 6). It was established that the orientation of monoclinic crystallites, which is characterized by the average orientation angle τ, is practically completed at λ (elongation multiplying factor) = 3 to 3.2 (see Fig. 1). Crystallinity of the polymer increases with enhanced degree of

UDC: 678.01:53+678.675

Card 1/2

L 27334-66

ACC NR: AP6008965

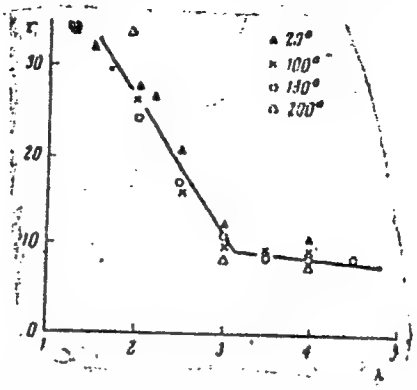


Fig. 1. Average orientation angle r as a function of the stretching multiplying factor λ at various temperatures.

stretching. A definite connection was found between the magnitude of equilibrium axial swelling and fiber structure. Fibers with λ from 1.0 to 2.0 stretch while swelling. Fibers with λ = 2.0 to 2.5 do not change their linear dimensions to any practical extent. When λ > 2.5, only shrinkage is observed. Orig. art. has: 6 figures.

SUB CODE: 07,11/ SUBM DATE: 01Dec64/ ORIG REF: 005/ OTH REF: 003

Card 2/2

PASYUK, A.S.; SHELAYEV, I.A.; GO TSI-TSYAN' [Kuo Ch'i-ch'ien]; TRET'YAKOV, Yu.P.

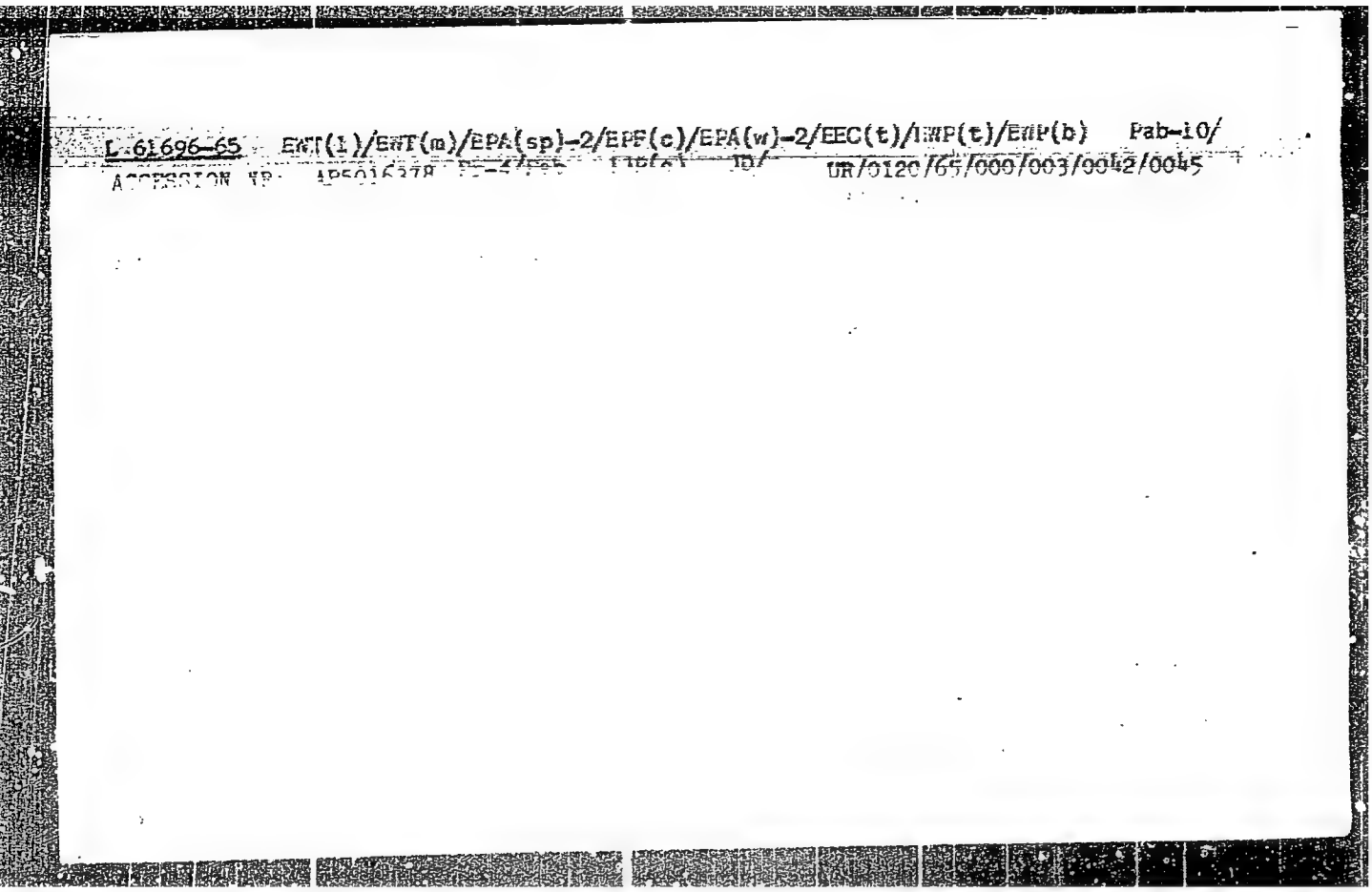
Production of multiply charged neon ions in a pulse source for a cyclotron. Prib. i tekh. eksp. 8 no.5:23-25 S-O '63. (MIRA 16:12)

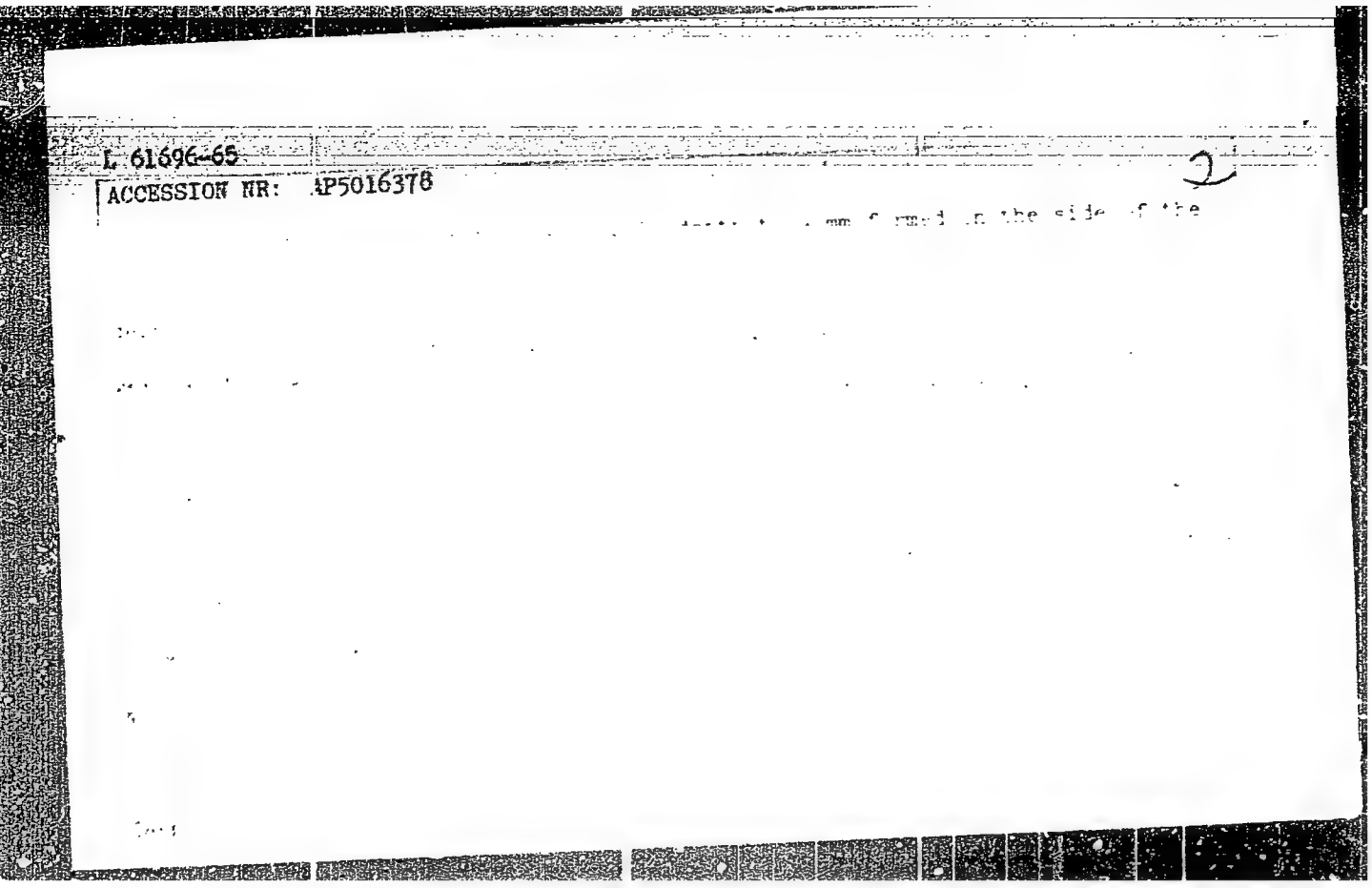
1. Ob"yedinennyy institut yadernykh issledovaniy.

GOYKHMAN, A.Sh.; NOSOV, M.P.; TRET'YAKOV, Yu.P.

Structural transformations occurring during the extrusion of capron fibers. Khim. volok. no.6:54-60 '65. (MIRA 18:12)

1. Kiyevskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta iskusstvennogo volokna. Submitted November 12, 1964.

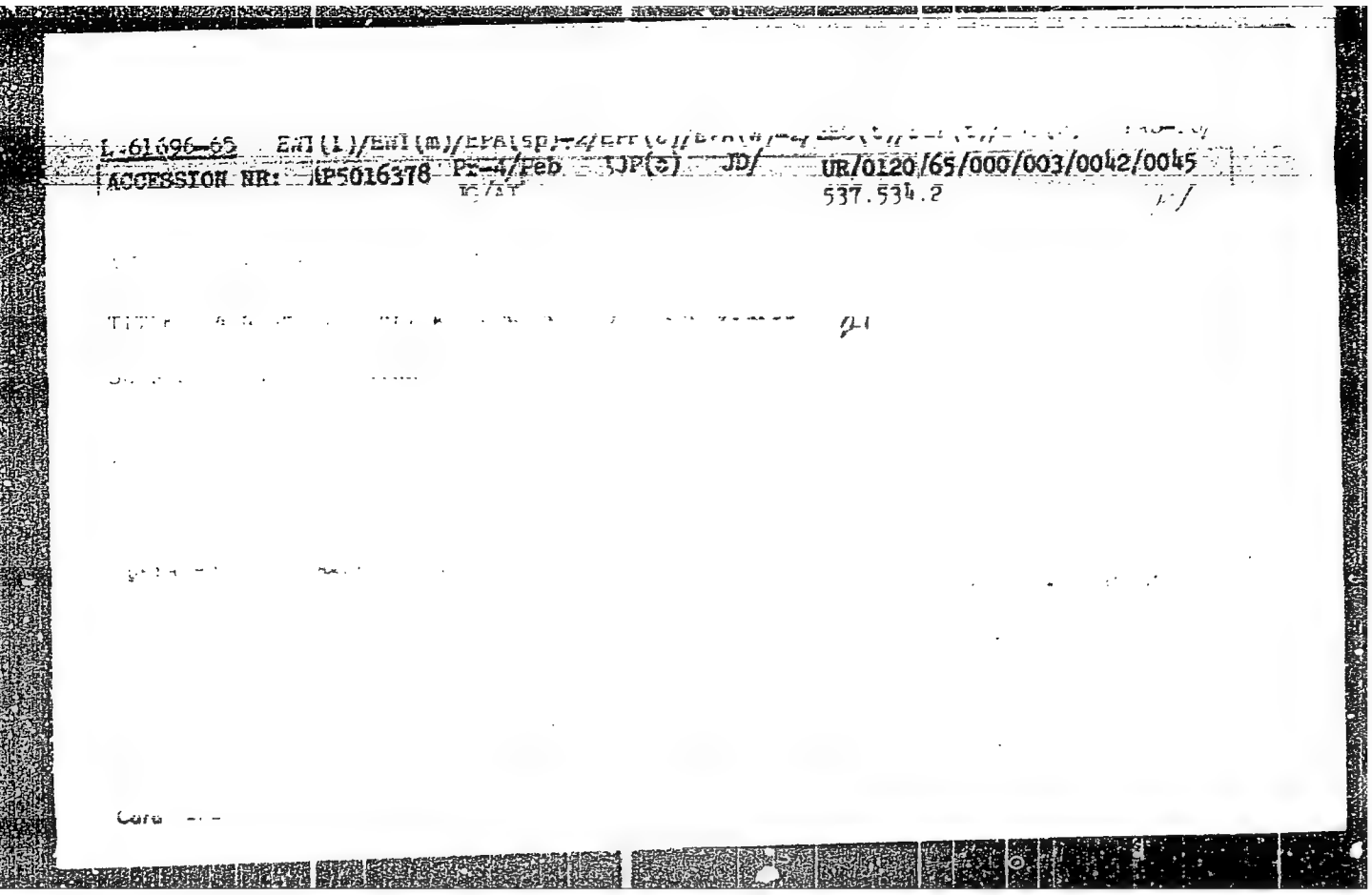




L 61696-65

ACCESSION NR: AP5016378

2



L 61696-65 EWT(l)/EWT(m)/EPA(sp)-2/EPF(c)/EPR/T-2 [illegible]

ACCESSION NR: AP5016378 Pz-4/Peb UJP(c) JD/ UR/0120/65/000/003/0042/0045

537.534.2

[illegible] to h mm formed on the side of the

TRET'YAKOV, V., inzh.

Optimal number of the rotation of cylindrical separators. Mukh.-elev. prom. 30 no.1:18-19 Ja '64. (MIRA 17:3)

1. Voronezhskiy sel'skokhozyaystvennyy institut.

BEDA, A.G.; KONDRAT'YEV, L.N.; TRET'YAKOV, Ye.F.

Cross section of Cd^{108} activation by thermal neutrons.
Atom. energ. 16 no.2:145-146 F '64. (MIRA 17:3)

TRET'YAKOV, YU. YE.
25595

ROLIKOVAYA Svarka Alyuminiyevykh
Splavov V Motorostroenii. Avyogen
Delo, 1948, No. 7, S. 22-23

SO: LETOPIS NO. 30, 1948

TRET'YAKOV, Yu. Ye

25595. TRET'YAKOV, Yu. Ye
Rolikovaya svarka alyuminiyevykh splavov v motorostroenii. Avtogen. Delo, 194[illegible], No. 7, s. 22-23.

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 194[illegible]

Country : USSR
Category : Diseases of Farm Animals. R
Diseases Caused by Bacteria and Fungi.
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96960

Author : Trot'yakova, A. A.
Institut. : Kirgizian Scientific Research Institute of*
Title : Treating Diarrhea in Horses by Penicillin with Autoblood.

Orig Pub. : Byul. nauchno-tekhn. inform. Kirg. n.-i. in-t zhivotnovodstva i veterinarii, 1958, No 1 (3),
Abstract : No abstract.

Card: 1/1

*Animal Husbandry and Veterinary Sciences
**51-52

Country : USSR R
Category : Diseases of Farm Animals. Diseases Caused by Bacteria and Fungi
Abs. Jour. : Ref Zhur-Biol, No 23, 1958, No 105801

Author : Tret'yakova, A. A.
Institut. : Kirgiz Scientific Research Institute of Animal*
Title : Treatment of Strangles in Horses with Penicillin Combined with Autohemotherapy

Orig. Pub. : Tr. Kirg. n.-i. in-ta zhivotnovodstva i veterinarii, 1957, vyp. 13, 163-168

Abstract : A positive therapeutic effect was achieved in the treatment of 135 young horses, both in cases with benign course of disease, as well as in phlegmonous complications and early stages of metastatic spread of disease. The following methods of treatment and dosages are recommended: 500,000 U. of penicillin diluted in 1-2 ml. of physiological solution are mixed directly in the

* Husbandry and Veterinary Medicine

Card: 1/2

PODKUYKO, Sergey Il'ich; TRET'YAKOVA, Agniya Aleksandrovna; EYSYMONT, L., red.; PEREGUDOVA, M., tekhn. red.

[Measurements in the amplifiers of motion-picture systems] Izmereniia v usiliteliakh kinoustanovok. Moskva, Gos. izd-vo "Iskusstvo," 1960. 141 p. (MIRA 15:3)
(Electronic measurements) (Motion-picture projectors)

TRET'YAKOVA, A. A. and SMIRNOV, I. I. (Scientific Collaborators, Kirghizia NIIZHV, PANKRATOV, A. Ya. (Professor).

"Immunity tests in sheep vaccinated simultaneously with vaccines against anthrax, brucellosis and pox".

Veterinariya, Vol. 37, No. 9, p. 38, 1960.

TRET'YAKOVA, A. A. (Scientific Collaborator Kirghiz NIIZhV), PANKRATOV, A. Ya. (Professor), and EGOSHIN, I. S. (Candidate of Veterinary Sciences).

"Dates of the detection of the vaccinal strain 19 and the changes occurring in the organs of sheep vaccinated against brucellosis."

Veterinariya, Vol. 38, No. 3, 1961, p. 45.

TAST'YANOVA, A. A.

"Treatment of Foot-and-Mouth Disease with Sulphuric Acid". Vestn. sovrem. veterin., 1928, No 12.

TORBIN, B.F., inzh.; Prinimali uchastiye: TORBINA, E.A.; TRET'YAKOVA, A.A.

Reducing the losses of benzene in oil cakes. Masl.-zhir. prom. 29 no.3:34-35 Mr '63. (MIRA 16:4)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Torbin, Torbina). 2. Ferganskiy maslozhirovoy kombinat (for Tret'yakova).
(Oils and fats)

TRET'YAKOVA, A. (H.)

PANKRATOV, A. and TRET'YAKOVA, A.

"The causes stimulating the appearance of strangles of horses and the method of liquidation of strangles infection."

SO: Vet. 27 (11) 1950, p. 29

TRET'YAKOVA, A.A.

PANKRATOV, A. Ia.; TRET'YAKOVA, A. A.
"Use of the ASD preparation in glanders of horses."
SO: Vet. 29 (5), 1952, p. 31

PANKRATOV, A.Ya., prof.; TRET'YAKOVA, A.A., nauchnyy sotrudnik;
SMIRNOV, I.I., nauchnyy sotrudnik

Verification of immunity in sheep innoculated at the same time with vaccines for anthrax, brucellosis and smallpox. Veterinariia 37 no.9:38-40 S '60. (MIRA 14:11)

1. Kirgizskiy nauchno-issledovatel'skiy institut betona i zhelezobetona.

(Sheep--Diseases and pests)
(..nthrax--Preventive innoculation)
(Brucellosis in sheep--Preventive innoculation)
(Smallpox in animals--Preventive innoculation)

USSR/[illegible] - [illegible] [illegible]
of [illegible]

"New Data on [illegible]," [illegible]
Inst im K. I. [illegible]; Sci [illegible], [illegible] Sci-[illegible] ([illegible])

Veterinariya, Vol 30, No [illegible], pp 11-1[illegible]

As established [illegible] 19[illegible], Streptococcus [illegible] ([illegible]) [illegible] filterable form. This form can be transformed back into the [illegible] with restoration of all the original [illegible]. Str [illegible] has an S form and an R form. [illegible] causative [illegible] strains of [illegible] its toxins into tissues. Str [illegible] not [illegible].

[illegible]

Tret'yakova, A A.

FEDOSEYEVA, Ye.O.; TRET'YAKOVA, A.A.; VEKSLER, G.S., kandidat tekhnicheskikh nauk, redaktor; YAKOBSON, A.Kh., redaktor; MATISSEN, Z.M., tekhnicheskiy redaktor

[Electric supply for motion-picture apparatus] Elektropitanie kinoustanovok. Moskva, Gos.izd-vo "Iskusstvo," 1955. 306 p. (Motion-picture projectors) (MLRA 9:3)

AGANBEGYAN, Abel Gezevich; BELKIN, Viktor Danilovich; BIRMAN, Igor' Yakovlevich; KARAPETYAN, Armen Khachaturovich; RIMASHEVSKAYA, Nataliya Mikhaylovna; TRET'YAKOVA, Al'bin Feoktistovna; KONIKOV, L.A., red.; PONOMAREVA, A.A., tekhn. red.

[Using mathematics and electronic machines in planning] Primenenie matematiki i elektronnoi tekhniki v planirovanii. Moskva, Izd-vo ekon. lit-ry, 1961. 290 p. (MIRA 14:11)
(Russia—Economic policy) (Economics, Mathematical)
(Electronic analog computers)

TRET'YAKOVA, A.F.

4) A P Aleksandrov, A L Lur'ye, [illegible], and Yu [illegible] - First Experiences in the Application of Electronic Computers for a Solution of the Haulage Rationalization Problem.

5) A Kaplan - Prospects for the Use of Linear Programming in the Over-all Planning of Rolling Stock Utilization

6) Ya Gleyzik - A Program for the Solution of Transport Problems on an Electronic Computer Involving Methods of Approximation By Means of Hypothetically Optimal Plans

7) A F Tret'yakova - An Optimal Freight Haulage Plan for the USSR Coal Industry

f. Morning Session - 17 December 1959, 1000 hours
V. The Checkerboard-Type Balance

1) V S Nemchinov - Theoretical Problems of the Checkerboard-Type Balance

2) L Ya Berri - The Checkerboard-Type Balance and the Planning of National Economy

3) Ya I Chernyak - Experience in Drawing Up an Input-Output Balance for an Economic-Administrative Region

4) V S Dadayan - Some Planning Calculations Based on the Input-Output Balance of an Economic Region

5) V V Kossov - A Regional Model of Agricultural Production

6) V I Zhivin, A I Klimskiy - The Nature and Special Features of Total Inputs

g. Evening Session - 17 December 1959, 1600 hours
VI. Mathematical Statistics

1) Ya M Bondarskiy - Statistical Methods for Determining the Average Prices of Goods

2) V V Shvyrkov - The Consumption Elasticity Indicator and Its Practical Importance in Studying the Workers' Level of Living

3) P Zheleznyak - Analytical Methods of Studying the Dependence of Consumption on Income

4) L E Mints, B V Finkel'shteyn - Statistics and the Use of Mathematical Methods in Economic Research

5) V V Pomerantsev - Research on Technical and Economic Laws in Non-ferrous Metallurgy with the Aid of Correlation Theory

6) N S Raytman - Application of Correlation Methods in the Analysis of Tractor Operating Costs

---

report submitted at the [illegible] Conference on Problems in the Application of Mathematical Methods in Economic Research, Leningrad, [illegible] January 19[illegible].

BELAYA, N.K.; TRET'YAKOVA, A.F.

Characteristics of the course of diphtheria in 1954-1955. Zhur. mikrobiol.epid. i immun.,suoolement for 1956:22-23 '57 (MIRA 11:3)

1. Iz Gosudarstvennogo pediatricheskogo instituta Ministerstva zdravookhraneniya RSFSR.
(DIPHTHERIA)

SUKHAREVA, M.Ye., professor; FLEKSER, S.Ya., kandidat meditsinskikh nauk; TSIRLINA, F.G.; TRET'YAKOVA, A.F.

Diphtheria index for 1955. Vop.okh.mat. i det. 1 no.4:3-7 Jl-Ag '56. (DIPHTHERIA) (MLRA 9:9)

TRET'YAKOVA, A.F.; PROTOKLITOVA, N.S., starshiy nauchnyy sotrudnik

Clinical picture of atypical forms of Botkin's disease in children according to data of the hepatitis department of the Fourth Municipal Hospital and the department for infectious diseases at the Pediatrics Institute of the Ministry of Public Health of the R.S.F.S.R., for 1959-1960. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no.1:57-65 '61. (MIRA 16:2)

1. Glavnyy vrach Moskovskoy gorodskoy klinicheskoy bol'nitsy G.F. Papko, direktor Pediatricheskogo instituta Ministerstva zdravookhraneniya RSFSR doktor medinauk A.P. Chernikova. Zamestitel' glavnogo vrach Moskovskoy gorodskoy klinicheskoy bol'nitsy A.F. Tret'yakova.

(HEPATITIS, INFECTIOUS)

PANKRATOV, A.Ya., prof.; YEGOSHIN, I.S., kand. veterin. nauk; TRET'YAKOVA, A.A., nauchnyy sotrudnik

Duration of the presence of the vaccine from strain no.19 and its change in the organs of sheep inoculated against brucellosis. Veterinariia 38 no.3:45-46 Mr '61 (MIRA 18:1)

1. Kirgizskiy nauchno-issledovatel'skiy institut zhivotnovodstva i veterinarii.

TRET'YAKOVA, A.F.

Experience in the work of the diagnostic wards of the diphtheria department. Nauch.trudy Chetv.Mosk.gor.klin.bol'. no.1:47-56 '61. (MIRA 16:2)

1. Zamestitel' glavnogo vracha Moskovskoy gorodskoy klinicheskoy bol'nitsy No.4 (glavnyy vrach G.F. Papko, zav. otdelom ostrykh infektsiy prof. B.G. Shirvindt).
(MOSCOW—DIPHTHERIA—PREVENTION)

RUDENSKAYA, I.R., kand.med.nauk; TRET'YAKOVA, A.F.

Analysis of work in a diagnostic ward of a children's hepatitis department. Pediatriia no.5:26-31 '61. (MIRA 14:5)

1. Iz infektsionnogo otdela (zav. - prof. B.G. Shirvindt) Nauchno-issledovatel'skogo pediatricheskogo instituta Ministerstva zdravookhraneniya RSFSR (dir. - doktor meditsinskikh nauk A.P. Chernikova) i Gorodskoy klinicheskoy bol'nitsy No.4 (glavnyy vrach G.F. Papko).
(HEPATITIS, INFECTIOUS)

AGANBEGYAN, A.G.; BELKIN, V.D.; BIRMAN, I.Ya.; KARAPETYAN, A.Kh.; RIMASHEVSKAYA, N.N.; TRET'YAKOVA, A.F.

Production, distribution and use of national income in the U.S.S.R. Nauka i zhizn' 29 no.12:26-27 D '62. (MIRA 16:3)
(Income)

VOGULKINA, T.E., dotsent; TRET'YAKOVA, A.I.

Use of prolactin in late stages of hypogalactia. Vop. okh. mat. i det. 6 no.4:58-61.Ap '61. (MIRA 14:6)

1. Iz kafedry propedevtiki detskikh bolezney (zav. - dotsent T.E. Vogulkina) Sverdlovskogo meditsinskogo instituta (dir. - prof. A.F.Zverev).

(PROLACTIN) (BREAST--DISEASES)

TRET'YAKOVA, A.N.

Comparative study of nitrogen-fixing blue-green algae, isolated from various soils of the U.S.S.R. Mikrobiologiia 34 no.3:491-496 My-Je '65.

(MIRA 18:11)

1. Kirovskiy sel'skokhozyaystvennyy institut.

RUSSKEVICH, Nikolay Lukich; VARENIK, M.I., otv. red.; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn. red.

[Descriptive geometry] Nachertatel'naia geometriia. Khar'kov, Izd-vo Khar'kovskogo gos. univ., im. A.M.Gor'kogo. 1961. 331 p. (MIRA 15:3)

(Geometry, Descriptive)

ZINCHENKO, Nikolay Semenovich; KALININ, V.I., prof., retsenzent [deceased]; TARANENKO, V.P., dotsent, retsenzent; SHESTOPALOV, V.P., dotsent, retsenzent; CHERNYAYEV, L.K., kand. tekhn. nauk, otv. red.; TRET'YAKOVA, A.N., red.; ALEKSANDROVA, G.P., tekhn.red.

[Lecture course on electron optics] Kurs lektsii po elektronnoi optike. Izd.2., ispr. i dop. Moskva, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1961. 361 p. (MIRA 14:9)
(Electron optics)

POGORELOV, Aleksey Vasil'yevich; BLANK, Ya.P., prof., otv. red.; TRET'YAKOVA, A.N., red.; ALEKSANDROVA, G.P., tekhn. red.; KURILOVA, T.M., red.; SMILYANSKAYA, T.M., tekhn. red.; ALEKSANDROVA, G.P., tekhn. red.

[Cylindrical shells at supercritical deformations]TSilindricheskie obolochki pri zakriticheskikh deformatsiiakh. Khar'kov, Izd-vo Khar'kovskogo univ. Vol.1.[Axial compression]Osevoe szhatie. 1962. 51 p. Vol.2.[External pressure]Vneshnee davlenie. 1962. 60 p. Vol.3.[Torsion]Kruchenie. 1962. 71 p. (MIRA 16:1) (Elastic plates and shells)

STENDER, Vladimir Vil'gel'movich, prof., doktor tekhn. nauk. Prinimali uchastiye: KSENZHEK, Oktavian Stanislavovich, dots., kand. tekhn. nauk; RAZINA, Ninel' Fedorovna, dots., kand. tekhn. nauk; SAGOYAN, Leonid Nikolayevich, dots., kand. tekhn. nauk; SLUTSKIY, Iosif Zinov'yevich, dots., kand. tekhn.nauk; GALINKER, I.S., prof., otv. red.; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn. red.

[Applied electrochemistry] Prikladnaia elektrokhimiia. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1961. 538 p. (MIRA 15:6)

(Electrochemistry)

TUMARKIN, Mikhail Borisovich; IVANOV, N.L., otv. red.; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn. red.

[Kinematic adjustment of feed mechanisms of machine tools] Kinematicheskaia nastroika tsepei podach metallorezhushchikh stankov. Khar'kov, Izd-vo Khar'kovskogo univ., 1961. 185 p. (MIRA 15:7)
(Feed mechanisms) (Machine tools)

DUBINSKIY, G.P., dots., otv. red.; TRET'YAKOVA, A.N., red.; SEMASHKO, Yu.Yu., tekhn. red.

[Materials of the Caucasian Expedition (under the program of the International Geophysical Year)]Materialy Kavkazskoi ekspeditsii (po programme Mezhdunarodnogo geofizicheskogo goda). Khar'kov, Izd-vo Khar'kovskogo gos. univ. Vol.3. 1961. 439 p. (MIRA 15:12)

1. Kharkov. Universytet. Kavkazskaya ekspeditsiya.
(Caucasus—Glaciers)

VALITOV, Rafkat Amirkhanovich; PALATOV, Konstantin Ivanovich; CHERNYY, Arkadiy Yevelevich; TRET'YAKOVA, A.N., red.; SMILYANSKAYA, T.M., tekhn. red.

[Methods for measuring the principal characteristics of fluctuating signals] Metody izmereniia osnovnykh kharakteristik fluktuatsionnykh signalov. Pod red. R.A.Valitova. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1961. 140 p. (MIRA 15:4)

(Radio measurements) (Radio--Testing)

UGINCHUS, Aleksandr Antonovich. prof., doktor tekhn. nauk; Prinimal uchastiye ALESHKO, P.I., inzh., star.prep.; RAFALES-LAMARK, E.E., dots., kand. tekhn. nauk, retsenzent; TRET'YAKOVA, A.N., red.; ZADOROZHNYY, V.S., tekhn. red.

[Hydraulics and hydraulic machinery] Gidravlika i gidravlicheskie mashiny. Izd.2., perer. i dop. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1960. 358 p. (MIRA 14:9)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury USSR (for Uginchus). 2. Khar'kovskiy politekhnicheskiy institut im. V.I.Lenina (for Aleshko).
(Hydraulics) (Hydraulic machinery)

DUBINSKIY, G.P., dotsent, otv.red.; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhred.

[Materials of the Caucasian Expedition under the program of the International Geophysical Year] Materialy Kavkazskoi ekspeditsii; po programme Mezhdunarodnogo geofizicheskogo goda. Khar'kov. Vol.1. 1960. 363 p. (MIRA 14:6)

1. Kharkov. Universitet.
(Caucasus—Glaciological research)
(Caucasus-Meteorological research)

MALISHEVSKIY, Nikolay Georgiyevich; KONDRAT'YEV, Nikolay Ivanovich; ALEKSHKO, Pavel Ivanovich; MALOVA, Nadezhda Mikhaylovna; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn.red.

[Water-supply and sewerage pumps and pumping stations] Vodoprovodnye i kanalizatsionnye nasosy i nasosnye stantsii. Pod red. N.G.Malishevskogo. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1960. 394 p. (MIRA 14:5)
(Pumping stations)

TSVETKOV,V.T., prof., doktor tekhn.nauk; KRUSHEDOL'SKIY,G.I., kand.tekhn. nauk, otv.red.; TRET'YAKOVA,A.N., red.; TROFIMENKO,A.S., tekhn. red.

[Internal combustion engines; design and construction] Dvigateli vnutrennego sgoraniia; konstruktsiia i raschet. Izd.2. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im.A.M.Gor'kogo, 1960. 656 p. (MIRA 14:5)

(Gas and oil engines--Design and construction)

PINES, Boris Yakovlevich, professor; BUBLIK, A.I., dotsent, kandidat fiziko-matematicheskikh nauk, otvetstvennyy redaktor; TRET'YAKOVA, A.N., redaktor izdatel'stva; TROFIMENKO, A.S., tekhnicheskiy redaktor

[Lectures on structural analysis] Lektsii po strukturnomu analizu. Izd. 2-oe, perer. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1957. 454 p. (MIRA 10:9)
(Crystallography)

AGRANOVICH, Zalman Samoylovich; MARCHENKO, Vladimir Aleksandrovich; LANDKOF, N.S., dotsent, otv.red.; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn.red.

[Inverse problem of the theory of scattering] Obratnaia zadacha teorii rasseianiia. Khar'kov, Izd-vo Khar'kovskogo gos.univ., 1960. 267 p. (MIRA 14:3)
(Scattering (Physics)) (Operators (Mathematics))
(Wave mechanics)

POLULYAKH, Konstantin Stepanovich: LEYKIN, A.Ya., retsenzent; SKORIK, Ye.T., retsenzent; SHVEDSKIY, B.I., retsenzent; TSARENKO, V.T., otv. red.; TRET'YAKOVA, A.N., red.; ALEKSANDROVA, G.P., tekhn. red.

[Electronic resonance measuring devices] Elektronnye rezonansnye izmeritel'nye pribory. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im.A.M.Gor'kogo, 1961. 138 p. (MIRA 14:12)
(Electronic measurements) (Radio measurements)

SKLYAR, Mikhail Grigor'yevich; TYUTYUNNIKOV, Yuriy Borisovich; ARONOV, S.G., doktor tekhn. nauk, retsenzent; NESTERENKO, L.L., prof., red.; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn. red.

[Laboratory work in the chemistry of solid fossil fuels] Laboratornaia praktika po khimii tverdykh goriuchikh iskopaemykh. Khar'kov, Izd-vo Khar'kovskogo univ., 1962. 194 p. (MIRA 16:12)

(Chemistry, Technical--Laboratory manuals)

PINES, Boris Yakovlevich; SMUSHKOV, I.V., kand. fiz.-mat. nauk, otv. red.; TRET'YAKOVA, A.N., red.; ALEKSANDROVA, G.P., tekhn. red.

[Physical metallurgy] Ocherki po metallofizike. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1961. 314 p. (MIRA 14:12)

(Physical metallurgy)

NIKITIN, Vladimir Nikolayevich, prof.; MAKHIN'KO, V.I., dotsent, otv.red.; TRET'YAKOVA, A.N., red.; CHERNYSHENKO, Ya.T., tekhn.red.

[Russian works on the physiology, biochemistry, and morphology of aging; historical essay and bibliography] Otechestvennye raboty po vozrastnoi fiziologii, biokhimii i morfologii; istoricheskii ocherk i bibliografiia. Khar'kov, Izd-vo Khar'kovskogo gos.univ.im. A.M.Gor'kogo, 1958. 199 p. (MIRA 13:4)

1. Chlen-korrespondent AN USSR (for Nikitin).
(BIBLIOGRAPHY--AGING)

ZARITSKIY, Petr Vasil'yevich; LOGVINENKO, N.V., prof., doktor geologo-mineralog.nauk, otv.red.; TRET'YAKOVA, A.M., red.; CHURIY, Ye.V., tekhred.

[Concretions in coal-bearing deposits of the Donets Basin] Konkretsii uglenosnykh otlozhenii Donetskogo basseina. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1959. 239 p. (MIRA 13:6)

(Donets Basin--Concretions)

BARABASHOV, Nikolay Pavlovich; KOVAL', Ivan Kirillovich; CHEKIRDA, A.T., otv.red.; TRET'YAKOVA, A.N., red.; VAYNBERG, D.A., red.; TROFIMENKO, A.S., tekhred.

[Photographic photometry with light filters of Mars during the favorable opposition in 1956] Fotograficheskaia fotometriia Marsa so svetofil'trami vo vremia velikogo protivostoianiia v 1956 g. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'-kogo, 1959. 529 p. (MIRA 13:5)

(Mars (Planet)--Opposition, 1956)
(Photometry, Astronomical)